

## HISTORIC DHS ACTION LEVELS FOR CHEMICALS WITH MCLs

***NOTE: MCLs supercede Action Levels***

**MAY 2003**

Contaminant	Action Level (mg/L)	Date <sup>a</sup>	MCL (mg/L)	Date <sup>b</sup>
<b><i>Inorganics</i></b>				
Aluminum			1 0.2 <sup>d</sup>	2/25/89 9/8/94
Antimony			0.006	9/8/94
Arsenic			0.05	77
Asbestos			7 MFL <sup>c</sup>	9/8/94
Barium			1	77
Beryllium			0.004	9/8/94
Cadmium			0.010 0.005	77 9/8/94
Chromium			0.05	77
Copper			1 <sup>d</sup> 1.3 <sup>e</sup>	77 12/11/95
Cyanide			0.2 0.15	9/8/94 6/12/03
Fluoride			2	4/98
Lead			0.05 <sup>f</sup> 0.015 <sup>e</sup>	77 12/11/95
Mercury			0.002	77
Nickel			0.1	9/8/94
Nitrate			(as N03) 45	77
Nitrite (as N)			1	9/8/94
Total Nitrate/Nitrite (as N)			10	9/8/94
Selenium			0.01 0.05	77 9/8/94
Thallium			0.002	9/8/94
<b><i>Radionuclides</i></b>				
Uranium	revised to 20 pCi/L	1/5/86 memo	20 pCi/L	1/1/89
Combined radium-226 & 228			5 pCi/L	77
Gross Alpha particle activity			15 pCi/L	77
Gross Beta particle activity			50 pCi/L <sup>g</sup>	77
Strontium-90			8 pci/L <sup>g</sup>	77
Tritium			20,000 pCi/L <sup>g</sup>	77

Contaminant	Action Level (mg/L)	Date <sup>a</sup>	MCL (mg/L)	Date <sup>b</sup>
<b>VOCS</b>				
Benzene	0.0007	10/86 DWP list	0.001	2/25/89
Carbon Tetrachloride	0.005	8/24/84 DWP list	0.0005	4/4/89
1,2-Dichlorobenzene	0.13	8/24/84 DWP list	0.6	9/8/94
1,4-Dichlorobenzene	0.013 0.0005	8/24/84 DWP list 12/10/86 memo	0.005	4/4/89
1,1-Dichloroethane	0.020	3/20/86 DWP list	0.005	6/24/90
1,2-Dichloroethane	0.001	8/24/84 DWP list	0.0005	4/4/89
1,1-Dichloroethylene	0.00010 0.006	8/24/84 DWP list 3/12/86 memo	0.006	2/25/89
cis-1,2-Dichloroethylene	0.016	1/26/86 DWP list	0.006	9/8/94
trans-1,2-Dichloroethylene	0.016	1/26/86 DWP list	0.01	9/8/94
Dichloromethane	0.040	8/24/84 DWP list	0.005	9/8/94
1,3-Dichloropropene			0.0005	2/25/89
1,2-Dichloropropane	0.010	8/24/84 DWP list	0.005	6/24/90
Ethylbenzene	0.680	10/86 DWP list	0.68 0.7 0.3	2/25/89 9/8/94 6/12/03
Methyl-tert-butyl ether (MTBE)	0.035	2/19/91 memo	0.005 <sup>b</sup> 0.013	1/7/99 5/17/00
Monochlorobenzene	0.030	10/86 DWP list	0.03 0.07	2/25/89 9/8/94
Styrene			0.1	9/8/94
1,1,2,2-Tetrachloroethane			0.001	2/25/89
Tetrachloroethylene	0.004	8/24/84 DWP list	0.005	5/89
Toluene	0.1	8/24/84 DWP list	0.15	9/8/94
1,2,4 Trichlorobenzene			0.07	9/8/94
1,1,1-Trichloroethane	0.2	8/24/84 DWP list	0.200	2/25/89
1,1,2-Trichloroethane	0.030 0.100	10/86 DWP list 12/10/86 DWP list	0.032 0.005	4/4/89 9/8/94
Trichloroethylene	0.005	8/24/84 DWP list	0.005	2/25/89
Trichlorofluoromethane	3.4	5/23/86 memo	0.15	6/24/90
1,1,2-Trichloro-1,2,2,-Trifluoroethane	18	5/23/86 memo	1.2	6/24/90
Vinyl chloride	0.002	8/24/84 DWP list	0.0005	4/4/89
Xylenes	0.620	8/24/84 DWP list	1.750	2/25/89
<b>SOCS</b>				
Alachlor	0.0002	10/87 DWP list	0.002	9/8/94
Atrazine	0.015	10/7/85 memo	0.003 0.001	4/5/89 6/12/03
Bentazon	0.008	10/7/85 memo	0.018	4/4/89
Benzo(a)pyrene			0.0002	9/8/94
Carbofuran			0.018	6/24/90
Chlordane	0.000055	8/2/83 DWP memo	0.0001	6/24/90
Dalapon			0.2	9/8/94
Dibromochloropropane	0.001	9/24/82 DWP list	0.0001 0.0002	7/26/89 5/3/91
Di(2-ethylhexyl)adipate			0.4	9/8/94
Di(2-ethylhexyl)phthalate			0.004	6/24/90

Contaminant	Action Level (mg/L)	Date <sup>a</sup>	MCL (mg/L)	Date <sup>b</sup>
2,4-D			0.1 0.07	77 9/8/94
Dinoseb			0.007	9/8/94
Diquat			0.02	9/8/94
Endothall			0.1	9/8/94
Endrin	0.00002	9/24/82 DWP list	0.0002 0.002	77 9/8/94
Ethylene Dibromide	0.00005 0.00002	8/24/84 DWP list 6/17/85 DWP list	0.00002 0.00005	2/25/89 9/8/94
Glyphosate	0.5	8/24/84 DWP list	0.7	6/24/90
Heptachlor	0.00002	9/24/82 DWP list	0.00001	6/24/90
Heptachlor Epoxide	0.0001	9/24/82 DWP list	0.00001	6/24/90
Hexachlorobenzene			0.001	9/8/94
Hexachlorocyclopentadiene			0.05	9/8/94
Lindane			0.004 0.0002	77 9/8/94
Methoxychlor			0.1 0.04 0.03	77 9/8/94 6/12/03
Molinate	0.020	8/24/84 DWP list	0.02	4/4/89
Oxamyl			0.2 0.05	9/8/94 6/12/03
Pentachlorophenol	0.030	8/24/84 DWP list	0.001	9/8/94
Picloram			0.5	9/8/94
Polychlorinated Biphenyls			0.0005	9/8/94
Simazine	1.505 0.150	10/7/85 memo 5/86 memo	0.010 0.004	4/4/89 9/8/94
Thiobencarb	0.010 (health); 0.001 (Taste & Odor)	8/24/84 DWP list	0.07 0.001 <sup>d</sup>	4/4/89 4/4/89
Toxaphene			0.005 0.003	77 9/8/94
2,3,7,8-TCDD (Dioxin)			3x10 <sup>-8</sup>	9/8/94
2,4,5-TP (Silvex)			0.01 0.05	77 9/8/94
<b>Trihalomethanes</b>				
Total trihalomethanes			0.100	3/14/83
<p>a. Dates obtained from various source documents, including DHS Drinking Water Program (DWP) historic action level lists and memos from DHS' former risk assessment entities, the Community Toxicology Unit (COMTU) and the Pesticide and Environmental Toxicology Section (PETS). COMTU and PETS were precursors of Cal/EPA's Office of Environmental Health Hazard Assessment (OEHHA).</p> <p>b. A date with the month, day and year reflects the effective date for the State MCL; other date formats reflect the fact that the precise dates could not be found.</p> <p>c. MFL = million fiber per liter, with fiber length &gt; 10 microns</p> <p>d. Secondary MCL, based on taste, color and/or odor effects.</p> <p>e. Regulatory Action Level; if system exceeds, it must take certain actions such as additional monitoring, corrosion control studies and treatment, and for lead, a public education program.</p> <p>f. The lead MCL was rescinded when the regulatory action level described in footnote e was adopted.</p> <p>g. MCLs are intended to ensure that exposure above 4 millirem/yr does not occur.</p>				